

# Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner

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#### NEW QUESTION 1

What you create and S3 bucket, what rules must be followed regarding the bucket name? (Select all that apply) Choose the 2 Correct answers:

- A. Bucket names must be unique across all of AWS.
- B. Bucket names must be between 3-63 characters in length.
- C. Bucket names must contain at least one uppercase letter
- D. Bucket names can be formatted as IP addresses

**Answer:** AB

#### Explanation:

Although certain regions do allow for uppercase letters in the bucket name, uppercase letters are NOT required. Also, a bucket name cannot be formatted as an IP address.

#### NEW QUESTION 2

What are the main benefits of On-Demand EC2 instances? (Select all that apply) Choose the 2 Correct answers:

- A. They are the cheapest buying option.
- B. They are the most flexible buying option.
- C. They require 1-2 days for setup and configuration.
- D. Create, start, stop, and terminate at any time

**Answer:** BD

#### Explanation:

On-demand EC2 instances are widely used due to their flexibility. You can create, start, stop, and terminate at any time (with no startup or termination fees). Although due to this flexibility, they are the most expensive buying option.

#### NEW QUESTION 3

What best describes the purpose of having many Availability Zones in each AWS region?  
Choose the Correct Answer

- A. Multiple Availability Zones allow for fault tolerance but not high availability.
- B. Multiple Availability Zones allow for cheaper prices due to competition between them.
- C. Multiple Availability Zones allow for duplicate and redundant compute, and data backups.
- D. None of the above

**Answer:** C

#### Explanation:

Availability Zones work together within a region to provide users with the ability to easily setup and configure redundant architecture and backup solutions

#### NEW QUESTION 4

Your company's upper management is getting very nervous about managing governance, compliance, and risk auditing in AWS. What service should you enable and inform upper management about?  
Choose the Correct Answer

- A. CloudAudit
- B. CloudTrail
- C. CloudCompliance
- D. CloudWatch

**Answer:** B

#### Explanation:

AWS CloudTrail is designed to log all actions taken in your AWS account. This provides a great resource for governance, compliance, and risk auditing.

#### NEW QUESTION 5

Which of the following will effect how much you are charged for storing objects in S3? Choose the 2 Correct answers:

- A. The storage class used for the objects stored.
- B. Encrypting data (objects) stored in S3.
- C. Creating and deleting S3 buckets
- D. The total size in gigabytes of all objects store

**Answer:** AD

#### NEW QUESTION 6

What does S3 stand for? Choose the Correct Answer

- A. Simple Storage Service
- B. Simplified Storage Service
- C. Simple Store Service
- D. Service for Simple Storage

**Answer:** A

#### NEW QUESTION 7

What AWS storage class should be used for long-term, archival storage?  
Choose the Correct Answer

- A. Glacier
- B. Long-Term
- C. Standard
- D. Infrequent Access

**Answer:** A

#### Explanation:

Glacier should be used for (and is specifically designed for) long-term , archival storage.

#### NEW QUESTION 8

Kim is managing a web application running on the AWS cloud. The application is currently utilizing eight EC2 servers for its compute platform. Earlier today, two of those web servers crashed; however, none of her customer were effected. What has Kim done correctly in this scenario?  
Choose the Correct Answer

- A. Properly built an elastic system.
- B. Properly built a scalable system
- C. Properly build a fault tolerant system.
- D. None of the abov

**Answer:** C

#### Explanation:

A fault tolerant system is one that can sustain a certain amount of failure while still remaining operational.

#### NEW QUESTION 9

Why would a company decide to use AWS over an on-premises data center? (Select all that apply) Choose the 4 Correct answers:

- A. Highly available infrastructure
- B. Elastic resources based on demand
- C. No upfront cost
- D. Cost-effective

**Answer:** ABCD

#### Explanation:

All four answers listed are reasons why a company may decide to use AWS over an on-premises data center.

#### NEW QUESTION 10

You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best fit your needs?  
Choose the Correct Answer

- A. Lambda
- B. Aurora
- C. RDS
- D. DynamoDB

**Answer:** D

#### Explanation:

DynamoDB is AWS's NoSQL database offering. NoSQL databases are for non-structured data that are typically stored in JSON-like, name-value documents.

#### NEW QUESTION 10

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS cloud allow Jeff to accomplish this goal? (Select all that apply)  
Choose the 2 Correct answers:

- A. Availability Zones
- B. Regional Zones
- C. Regions
- D. Data Locations

**Answer:** AC

#### Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in seperate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

### NEW QUESTION 13

Stephen is having issues tracking how much compute capacity his application is using. Ideally, he wants to track and have alarms for when CPU utilization goes over 70%. What should Stephen do to accomplish this?

Choose the Correct Answer

- A. Configure an SNS topic with an alarm threshold set to trigger when CPU utilization is greater than 70%.
- B. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%.
- C. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than or equal to 70%.
- D. None of the above

**Answer: B**

#### Explanation:

The answer is to configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%. This will display the alarm in "alarm" state when CPU utilization is greater than 70%. This question has been worded very specifically with the words "goes above 70%". This disqualifies the answer that stated "greater than or equal to 70%". The AWS exam will have very tricky questions like this.

### NEW QUESTION 18

What is the availability and durability rating of S3 Standard Storage Class?

Choose the Correct Answer

- A. 99.999999999% Durability and 99.99% Availability
- B. 99.999999999% Availability and 99.90% Durability
- C. 99.999999999% Availability and 99.99% Durability
- D. 99.999999999% Durability and 99.00% Availability

**Answer: A**

#### Explanation:

S3 Standard Storage class has a rating of 99.999999999% durability (referred to as 11 nines) and 99.99% availability.

### NEW QUESTION 19

S3 storage classes are rated by what two metric categories? (Select two) Choose the 2 Correct answers:

- A. Objectivity
- B. Durability
- C. Availability
- D. Fault tolerance

**Answer: BC**

#### Explanation:

Each S3 storage class is rated on its availability and durability.

### NEW QUESTION 20

What is the most common type of storage used for EC2 instances?

Choose the Correct Answer

- A. Elastic File System (EFS)
- B. EC2 Hard Drives
- C. Elastic Block Store (EBS)
- D. Magnetic Drive (MD)

**Answer: C**

#### Explanation:

EC2 instances have several different hard drive options. However, Elastic Block Store (EBS), which is a type of Network Attached Storage, is the most popular and widely used.

### NEW QUESTION 25

What AWS service has built-in DDoS mitigation?

Choose the Correct Answer

- A. CloudFront
- B. CloudTrail
- C. CloudWatch
- D. EC2

**Answer: A**

#### Explanation:

With CloudFront, you cache content at Edge Locations, which shield your underlying application infrastructure from DDoS attacks.

### NEW QUESTION 30

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.

- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

**Answer:** AD

**Explanation:**

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only for the when your code is actually being executed.

**NEW QUESTION 35**

If you want in-depth details on how to create, manage, and attach IAM access policies to IAM users, in what AWS resource should you look? Choose the Correct Answer

- A. AWS How-To-Help Section
- B. AWS Service Documentation
- C. AWS Whitepapers
- D. None of the above

**Answer:** B

**Explanation:**

AWS Service documentation is a collection of documents specific to each AWS service. They contain detailed how-to's, as well as technical walkthroughs and specifications.

**NEW QUESTION 39**

What acts as an address (like a mailing address) for a web server located on a network? Choose the Correct Answer

- A. DNS Server
- B. IP Address
- C. Common language domain name
- D. None of the above

**Answer:** B

**Explanation:**

An IP address is a servers address on a network. It is how traffic/request get routed to it (much like a piece of mail gets routed to your home).

**NEW QUESTION 41**

What services has built-in DDoS mitigation and/or protection? Choose the Correct Answer

- A. EC2
- B. RDS
- C. SNS
- D. None of the above

**Answer:** D

**Explanation:**

AWS services with built-in DDoS mitigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

**NEW QUESTION 43**

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programatic (API) access key

**Answer:** ABCD

**Explanation:**

All these answers are actions you should take if you believe you account has been compromised.

**NEW QUESTION 44**

Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

- A. They need a NoSQL database option
- B. They need to use Edge Locations to cache content
- C. The need improved improve the performance of their web application.
- D. They need in-memory data store servic

**Answer:** CD

**Explanation:**

ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not a answer here.

**NEW QUESTION 45**

What AWS service uses Edge Locations for content caching?  
Choose the Correct Answer

- A. ElastiCache
- B. Route 53
- C. CloudFront
- D. CloudCache

**Answer:** C

**Explanation:**

CloudFront is a content caching service provided by AWS that utilizes "Edge Locations," which are AWS data centers located all around the world.

**NEW QUESTION 48**

What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

- A. Content Caching
- B. Database Management
- C. Domain Registration
- D. Domain Name System (DNS) service

**Answer:** CD

**Explanation:**

Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

**NEW QUESTION 50**

If you are using an on-demand EC2 instance, how are you being charged for it?  
Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fee

**Answer:** A

**Explanation:**

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

**NEW QUESTION 54**

Matt is working on a projects that involves converting an images format from .png to .jpg. Thousands of images have to be converted; however, time is not really an issue and continual processing is not required. What type of EC2 buying option would be most cost-effective for Matt to use?  
Choose the Correct Answer

- A. Spot
- B. On-demand
- C. Reserved
- D. None of the above

**Answer:** A

**Explanation:**

Spot instances offer the cheapest option of all EC2's buying options. However, spot instances should only be used when there can be interruptions in the processing jobs being conducted. This is due to the fluctuation in spot pricing. If the spot price goes above your bid price, then you will lose access to the spot instance (thus causing a stoppage in processing).

**NEW QUESTION 57**

What AWS database is primarily used to analyze data using standard SQL formatting with compatibility for your existing business intelligence tools?  
Choose the Correct Answer

- A. ElastiCache
- B. DynamoDB
- C. Redshift
- D. RDS

**Answer:** C

**Explanation:**

Redshift is a database offering that is fully-managed and used for data warehousing and analytics, including compatibility with existing business intelligence tools.

#### NEW QUESTION 60

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?  
Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

**Answer: B**

#### Explanation:

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This help prevent one server from becoming overloaded with traffic, while another server remains underutilized.

#### NEW QUESTION 63

What best describes Amazon Web Services (AWS)?  
Choose the Correct Answer

- A. AWS only provides compute and storage services.
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

**Answer: C**

#### Explanation:

AWS is defined as a cloud services provider. They provide hundreds of services of which compute and storage are included (not limited to).

#### NEW QUESTION 66

What is the purpose of a DNS server?  
Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engin

**Answer: B**

#### Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

#### NEW QUESTION 69

What is the relationship between AWS global infrastructure and the concept of high availability?  
Choose the Correct Answer

- A. AWS is centrally located in one location and is subject to widespread outages if something happens at that one location.
- B. AWS regions and Availability Zones allow for redundant architecture to be placed in isolated parts of the world.
- C. Each AWS region handles a different AWS services, and you must use all regions to fully use AWS.
- D. None of the above

**Answer: B**

#### Explanation:

As an AWS user, you can create your applications infrastructure and duplicate it. By placing duplicate infrastructure in multiple regions, high availability is created because if one region fails you have a backup (in a another region) to use.

#### NEW QUESTION 70

Mike is setting up the infrastructure for a web application that requires three EC2 instances to handle the expected demand. However, when testing the application, Mike find that all traffic to the application is being routed to only one of the servers. What AWS feature should he add to his application in order to have traffic evenly distributed between all three servers?  
Choose the Correct Answer

- A. Elastic Load Balancer
- B. Auto Scaling
- C. Route 53
- D. CloudFront

**Answer: A**

#### Explanation:

An Elastic Load Balancer is designed to evenly distribute incoming web traffic between all servers that are associated with it.

#### NEW QUESTION 73

Karen is building a website that is expected to have a minimum of 1000 users continually over the course of 24 hours. For 8 hours each day, traffic is expected to

be at about 1800 users. What EC2 buying options should she use to handle all the traffic and be most cost-effective?  
Choose the Correct Answer

- A. Karen should rely solely on spot instances since that will be the cheapest option.
- B. Karen should buy enough reserved instance capacity to handle all 1800 users and probably buy a little more capacity just in case it is needed.
- C. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on on-demand instances for the 8 hour period of increased traffic each day.
- D. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on spot instances for the 8 hour period of increased traffic each day.

**Answer: C**

**Explanation:**

Reserved instances should be used to handle the expected baseline traffic to the website. Reserved instances (in 1/3 year term) can be purchased as a significant discount over on-demand instances. Any varying traffic above the baseline should be handled with on-demand instances (since they can be added/removed at any time, based on current demand). Spot instances should not be used in this scenario.

**NEW QUESTION 75**

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access. What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?  
Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

**Answer: C**

**Explanation:**

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

**NEW QUESTION 77**

What are the TWO main security layers (firewalls) used inside a VPC? Choose the 2 Correct answers:

- A. NetProtect
- B. Network Access Control List
- C. Security Group
- D. Security Lists

**Answer: BC**

**Explanation:**

Network Access Control Lists (NACL) act as a firewall on the subnet level, and Security Groups act as a firewall on the instance level.

**NEW QUESTION 78**

John, member of your company's development team, needs access to company's AWS account. What AWS service is used to manage such access?  
Choose the Correct Answer

- A. S3
- B. Route 53
- C. IAM
- D. EC2

**Answer: C**

**Explanation:**

Identity & Access Management (IAM) is the AWS service where user accounts, credentials, and service access is managed.

**NEW QUESTION 79**

What is a main benefit of CloudFront?  
Choose the Correct Answer

- A. DNS management
- B. Unlimited storage
- C. Serverless compute capacity
- D. Built-in DDoS protection

**Answer: D**

**Explanation:**

CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlying hardware.

**NEW QUESTION 81**

If you have a large collection of reproducible objects, which S3 storage class should you use if low cost is your priority?

Choose the Correct Answer

- A. Glacier
- B. Standard
- C. Reduced Redundancy
- D. None of the above

**Answer: C**

**Explanation:**

The reduced redundancy storage class has the lowest durability of all the storage classes. This means object stored in this storage class have the highest probability of being lost. So you should only store objects in this storage class if they can be easily reproduced. In exchange for the lower durability, the cost is lower than the standard storage class.

**NEW QUESTION 84**

What is the EC2 AMI Marketplace?

Choose the Correct Answer

- A. Where you select the storage type of an EC2 instance.
- B. A collection of pay-to-use EC2 AMIs that generally come packaged with licensed enterprise software.
- C. Where you store AMIs that you create.
- D. Where you select to compute capacity of an EC2 instance

**Answer: B**

**NEW QUESTION 85**

Children's All Saints Hospital has millions of old medical records that they must save for regulatory reasons. These records will most likely never be accessed again. What is the best and most cost-effective S3 storage option that will meet the hospital's needs?

Choose the Correct Answer

- A. Standard
- B. Infrequent Access
- C. Glacier
- D. Reduced Redundancy

**Answer: C**

**Explanation:**

Glacier is specifically designed for long-term archival storage. It is extremely inexpensive and should only be used for items that you access very infrequently.

**NEW QUESTION 90**

What is the name of AWS's RDS SQL database engine?

Choose the Correct Answer

- A. Lightsail
- B. SNS
- C. MySQL
- D. Aurora

**Answer: D**

**Explanation:**

AWS created their own custom SQL database engine, which is called Aurora.

**NEW QUESTION 92**

What is AWS's relational database service?

Choose the Correct Answer

- A. Redshift
- B. DynamoDB
- C. ElastiCache
- D. RDS

**Answer: D**

**Explanation:**

RDS offers SQL database options - otherwise known as relational databases.

**NEW QUESTION 93**

In the AWS Shared Responsibility Model, what is AWS responsible for? (Select all that apply) Choose the 2 Correct answers:

- A. Physical security of the AWS data centers
- B. Server-side encryption
- C. Network level security
- D. The maintenance of the hosts virtualization software

**Answer: AD**

**NEW QUESTION 97**

Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

- A. Enterprise
- B. Expert
- C. Basic
- D. Business

**Answer:** ACD

**Explanation:**

AWS has four support plan levels: Basic Developer Business Enterprise

**NEW QUESTION 101**

What best describes the difference between the TCO Calculator and the Cost Explorer?  
Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

**Answer:** B

**Explanation:**

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

**NEW QUESTION 105**

What does TCO stand for?  
Choose the Correct Answer

- A. Tally of Cost Ownership
- B. Total Continual Ownership
- C. The Cost of Ownership
- D. None of the above

**Answer:** D

**Explanation:**

TCO stand for Total Cost of Ownership.

**NEW QUESTION 107**

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